

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claims 1-16 (Canceled).

Claim 17 (Currently Amended): A ceramic heater, comprising:

a ceramic substrate ~~comprising one of a carbide ceramic and a nitride ceramic, and~~
having a thickness of less than or equal to 25 mm; and

at least one resistance heating element area including a resistance heating element
formed on a first surface of the ceramic substrate, a heating face of the ceramic substrate
being on a second surface of the ceramic substrate that is opposite to the first surface,

wherein an outermost circumference of the at least one resistance heating element
area is within 35 mm from an ~~outside~~ outermost edge of the ceramic substrate.

Claim 18 (Previously Presented): The ceramic heater according to claim 17, wherein
the ceramic substrate comprises a disc shape.

Claim 19 (Cancelled).

Claim 20 (Previously Presented): The ceramic heater according to claim 17, wherein
a diameter of the ceramic substrate is greater than 150 mm.

Claim 21 (Previously Presented): The ceramic heater according to claim 17, wherein the resistance heating element comprises one of a concentric pattern, a spiral pattern and a winding pattern.

Claim 22 (New): The ceramic heater according to Claim 17, said ceramic substrate comprising:

one of a carbide ceramic and a nitride ceramic.

Claim 23 (New): The ceramic heater according to Claim 17, wherein ceramic substrate has another layer, and resistance heating element is deposited on the another layer.

Claim 24 (New): The ceramic heater according to Claim 17, wherein resistance heating element comprising metal particles.

Claim 25 (New): The ceramic heater according to Claim 17, wherein the thickness of resistance heating element is from 1 μm to 30 μm .

Claim 26 (New): The ceramic heater according to Claim 17, wherein ceramic substrate has a through-hole.